

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 19, 2004, 15:48:38 / Search time 25 Seconds
(without alignments)
4.070 Million cell updates/sec

Title: US-09-978-191A-505

Perfect score: 1738
Sequence: 1 ccaggtcccaactgcacctg.....agcttataatggtccaact 1738

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 0.5

Searched: 42 segs, 29275 residues

Total number of hits satisfying chosen parameters: 84

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: US2002028508A1.seq*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	1485	85.4	1512	US-09-790-264-9	Sequence 9, App1
2	1350	77.7	1475	US-09-790-264-16	Sequence 16, App1
3	1350	77.7	1475	US-09-790-264-22	Sequence 22, App1
4	1157	66.6	1353	US-09-790-264-19	Sequence 19, App1
5	819	47.1	819	US-09-790-264-11	Sequence 11, App1
6	599	34.5	741	US-09-790-264-21	Sequence 21, App1
7	559	32.2	630	US-09-790-264-24	Sequence 24, App1
8	516.599	29.7	846	US-09-790-264-13	Sequence 13, App1
9	510.399	29.4	825	US-09-790-264-14	Sequence 14, App1
10	249	14.3	249	US-09-790-264-18	Sequence 18, App1
11	48	2.8	1856	US-09-790-264-1	Sequence 1, App1
12	37.4	2.2	501	US-09-790-264-62	Sequence 62, App1
13	36.4	2.1	2148	US-09-790-264-33	Sequence 33, App1
14	34	2.0	489	US-09-790-264-46	Sequence 46, App1
15	34	2.0	489	US-09-790-264-47	Sequence 47, App1
16	34	2.0	489	US-09-790-264-48	Sequence 48, App1
17	34	2.0	489	US-09-790-264-49	Sequence 49, App1
18	34	2.0	489	US-09-790-264-23	Sequence 23, App1
19	31.6	1.8	2401	US-09-790-264-29	Sequence 29, App1
20	31.6	1.8	741	US-09-790-264-21	Sequence 21, App1
21	31.6	1.8	819	US-09-790-264-11	Sequence 11, App1
22	31.6	1.8	1353	US-09-790-264-19	Sequence 19, App1
23	31.6	1.8	1475	US-09-790-264-16	Sequence 16, App1
24	31.6	1.8	1475	US-09-790-264-22	Sequence 22, App1
25	30.8	1.8	1512	US-09-790-264-9	Sequence 9, App1
26	30.8	1.8	1311	US-09-790-264-31	Sequence 31, App1
27	30.8	1.7	1440	US-09-790-264-40	Sequence 40, App1
28	29.4	1.7	1350	US-09-790-264-35	Sequence 35, App1
29	29.4	1.7	1384	US-09-790-264-37	Sequence 37, App1
30	29.4	1.7	1452	US-09-790-264-41	Sequence 41, App1
31	29.4	1.7	2148	US-09-790-264-33	Sequence 33, App1
32	27.6	1.6	249	US-09-790-264-18	Sequence 18, App1
33	27.6	1.6	630	US-09-790-264-24	Sequence 24, App1

Result No.	Score	Match	Length	ID	Description
34	26.8	1.5	2401	US-09-790-264-29	Sequence 29, App1
35	26	1.5	1452	US-09-790-264-41	Sequence 41, App1
36	25.8	1.5	384	US-09-790-264-43	Sequence 43, App1
37	24.8	1.4	1311	US-09-790-264-31	Sequence 31, App1
38	24.8	1.4	1440	US-09-790-264-40	Sequence 40, App1
39	24.4	1.4	1350	US-09-790-264-35	Sequence 35, App1
40	24	1.4	846	US-09-790-264-13	Sequence 13, App1
41	22.8	1.3	825	US-09-790-264-14	Sequence 14, App1
42	22.6	1.3	189	US-09-790-264-45	Sequence 45, App1
43	22.6	1.3	384	US-09-790-264-43	Sequence 43, App1
44	22.4	1.3	1384	US-09-790-264-37	Sequence 37, App1
45	21.4	1.2	1338	US-09-790-264-3	Sequence 3, App1

ALIGNMENTS

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RESULT 1
US-09-790-264-9
Sequence 9, Application US/09790264
Patent No. US2002028508A1
GENERAL INFORMATION:
APPLICANT: Holtzman, Douglas A.
APPLICANT: Goodearl, Andrew D.J.
APPLICANT: McCarthy, Sean A.
TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING
TITLE OF INVENTION: PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER
TITLE OF INVENTION: USES
FILE REFERENCE: 07334-322001
CURRENT APPLICATION NUMBER: US/09/790,264
CURRENT FILING DATE: 2001-02-21
PRIOR APPLICATION NUMBER: US 09/065,661
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: US 09/298,531
PRIOR FILING DATE: 1999-04-23
PRIOR APPLICATION NUMBER: US 09/065,363
PRIOR FILING DATE: 1998-04-23
PRIOR APPLICATION NUMBER: US 09/337,930
PRIOR FILING DATE: 1999-06-22
PRIOR APPLICATION NUMBER: US 09/102,705
PRIOR FILING DATE: 1998-06-22
PRIOR APPLICATION NUMBER: US 09/363,630
PRIOR FILING DATE: 1999-07-29
PRIOR APPLICATION NUMBER: US 09/124,538
PRIOR FILING DATE: 1998-07-29
NUMBER OF SEQ ID NOS: 68
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 9
LENGTH: 1512
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (374)...(1092)
US-09-790-264-9
Query Match 85.4%; Score 1485; DB 1; Length 1512;
Best Local Similarity 100.0%; Pred. 1.8e-135;
Matches 1485; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
143 CTCAGAGAGTGCCTCCAGAGCCGCGCCCTGAGGCGCCAGCAAGGCTGAGGTCAT 202
Db CTCAGAGAGTGCCTCCAGAGCCGCGCCCTGAGGCGCCAGCAAGGCTGAGGTCAT 202
18 CTCAGAGAGTGCCTCCAGAGCCGCGCCCTGAGGCGCCAGCAAGGCTGAGGTCAT 77
203 CTCAGAGTGCCTCCAGAGCCGCGCCCTGAGGCGCCAGCAAGGCTGAGGTCAT 262
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78 CTCAGAGTGCCTCCAGAGCCGCGCCCTGAGGCGCCAGCAAGGCTGAGGTCAT 137
263 CAGCCCGCCAGAGCCGCGCGGAGGCAAGGTCGCGCCAGCAAGGCTGAGGTCAT 322
Db CAGCCCGCCAGAGCCGCGCGGAGGCAAGGTCGCGCCAGCAAGGCTGAGGTCAT 322
138 CAGCCCGCCAGAGCCGCGCGGAGGCAAGGTCGCGCCAGCAAGGCTGAGGTCAT 197
323 CCTGTCCGGGGAGATGATCTGATTCCTCCCGCCAGAGCCAGCCAGAGGAGGAGGACCCCGC 382

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Db 198 CTTGTCGGGGATGACTGATTTCTCTCCGCGAGGCCACCCAGAGAGAGAGCCACCCCG 257
Qy 383 CTGAGGACAGCCCTCAGGGCTCTCAGAGTGTCTGATGTGGCTTCTGGTGT 442
Db 258 CTTGAGGACAGCCCTCAGGGCTCTCAGAGTGTCTGATGTGGCTTCTGGTGT 317
Qy 443 GGAGTGGGGGACAGAGACCCCTACCGCCCGGCTGAGGTTGTCTGTCGGGC 502
Db 318 GGAGTGGGGGACAGAGACCCCTACCGCCCGGCTGAGGTTGTCTGTCGGGC 377
Qy 503 TCACGGGACCCCTGCTCCAGTGTCTGAGTGTCTGAGTGTCTGAGTGTCTCACCAC 562
Db 378 TCACGGGACCCCTGCTCCAGTGTCTGAGTGTCTGAGTGTCTCACCAC 437
Qy 563 CTCGACGGGACCGGGCTGAGCCTACCAACCACTATAGAACCCCTACCGCG 622
Db 438 CTCGACGGGACCGGGCTGAGCCTACCAACCACTATAGAACCCCTACCGCG 497
Qy 623 CAGCCCTGGGCTGCGCCCTCAGGCTCTGAGTGTCTGAGTGTCTGAGTGTCTGAGGAGAC 682
Db 498 CAGCCCTGGGCTGCGCCCTCAGGCTCTGAGTGTCTGAGTGTCTGAGTGTCTGAGGAGAC 557
Qy 683 CAGCGGCTTCTGGGGCTGTGGAGCAGCAATATGCCAGCCGCTATGCCGAAACGGAGG 742
Db 558 CAGCGGCTTCTGGGGCTGTGGAGCAGCAATATGCCAGCCGCTATGCCGAAACGGAGG 617
Qy 743 GAGTGTGTCCAGCTGCGGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCA 802
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Db 678 GTCAGATGTGGATGAATGCAATGTCAGAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 737
Qy 863 CGCCGAGTACTGTTGTCAGGTTGGGAGGGGACAGCTCTGTCAGAGGGGGGGGGGGGGGGGG 922
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Qy 923 CTGTGTCCCAAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 982
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Qy 983 AATGAAGAGAGTGCAGGCTGCACTCAGGGTGGACCTGTCAGAGGGGGGGGGGGGGGGGGGG 1042
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Db 978 CCGCGGACGCTCTGTGTGCACTCCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGG 1037
Qy 1163 GCAGATTTCTTCTGAGGAGCAGTGGGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1222
Db 1038 GCAGATTTCTTCTGAGGAGCAGTGGGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1097
Qy 1223 GCGGAGCGCCGACGCTGAGTGGTCTGAGTGGTCTGAGTGGTCTGAGTGGTCTGAGTGGTCTGAGTGG 1282
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Qy 1343 CTTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1402
Db 1218 CTTCTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1277
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Db 1338 CCAAGCCAGTGGGGCCCTCAGTGGAGGAGGTAAGAGTCCCTGCTGGAGCCCTGGGA 1397
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Qy 1583 GACCCCGACCAATAAATAAATGAAACGTGAAAAAATAAATAAATAAATAAATAAATAAATAAATAA 1627
Db 1458 GACCCCGACCAATAAATAAATGAAACGTGAAAAAATAAATAAATAAATAAATAAATAAATAAATAA 1502

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RESULT 2

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US-09-790-264-16
; Sequence 16, Application US/09790264
; Patent No. US20020028508A1
; GENERAL INFORMATION:
; APPLICANT: Holtzman, Douglas A.
; APPLICANT: Goodearl, Andrew D.J.
; APPLICANT: McCarthy, Sean A.
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEINS HAVING
; PROGNOSTIC, DIAGNOSTIC, PREVENTIVE, THERAPEUTIC, AND OTHER
; FILE REFERENCE: 07334-322001
; CURRENT APPLICATION NUMBER: US/09/790,264
; PRIORITY FILING DATE: 2001-02-21
; PRIOR APPLICATION NUMBER: US 09/065,661
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: US 09/298,531
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: US 09/065,363
; PRIOR FILING DATE: 1998-04-23
; PRIOR APPLICATION NUMBER: US 09/337,930
; PRIOR FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: US 09/102,705
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: US 09/363,630
; PRIOR FILING DATE: 1999-07-29
; PRIOR APPLICATION NUMBER: US 09/124,538
; PRIOR FILING DATE: 1998-07-29
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 1475
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (194)...(442)
; US-09-790-264-16

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Query Match 77.7%; Score 1350; DB 1; Length 1475;
Best Local Similarity 92.1%; Pred. No. 7e-123;
Matches 1421; Conservative 0; Mismatches 0; Indels 122; Gaps 1;

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Qy 145 CAGGAGTGGCTTCCAGGGGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCT 204
Db 106 CAGGAGTGGCTTCCAGGGGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCTGAGGCT 165
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; PRIOR APPLICATION NUMBER: 60/081838
 ; PRIOR FILING DATE: 1998-04-15
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 ; PRIOR FILING DATE: 1998-04-21
 ; PRIOR APPLICATION NUMBER: 60/082704
 ; PRIOR FILING DATE: 1998-04-22
 ; PRIOR APPLICATION NUMBER: 60/082804
 ; PRIOR FILING DATE: 1998-04-22
 ; PRIOR APPLICATION NUMBER: 60/082700
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 ; PRIOR APPLICATION NUMBER: 60/085704
 ; PRIOR FILING DATE: 1998-05-15
 ; PRIOR APPLICATION NUMBER: 60/085697
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 Db 121 GRRCPCAGWRGDTCSQSDVDECSARRGCPORCINTAGSYWCQCWEGHLSADGTLVCPKG 180
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 Db 181 GPRVAPNPTGVDSAMKEVYORLQSRVDDLEEKQLVLAHLSLAQALEHGLPDPGSL 240
 QY 241 VHSFQOLGRIDSLSEQISFLEEQIGSCCKKDS 273
 Db 241 VHSFQOLGRIDSLSEQISFLEEQIGSCCKKDS 273
 RESULT 304
 US-09-852-472-2
 ; Sequence 2, Application US/09852472
 ; Publication No. US20030166907A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sheppard, Paul O.
 ; APPLICANT: Jelinek, Laura J.
 ; TITLE OF INVENTION: Mammalian Neuro-Growth Factor Like
 ; TITLE OF INVENTION: Protein
 ; FILE REFERENCE: 97-28C1
 ; CURRENT APPLICATION NUMBER: US/09/852,472
 ; CURRENT FILING DATE: 2001-05-10
 ; PRIOR APPLICATION NUMBER: 03/099,295
 ; PRIOR FILING DATE: 1998-06-18
 ; PRIOR APPLICATION NUMBER: 60/050,143
 ; PRIOR FILING DATE: 1997-06-18
 ; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 2
 ; LENGTH: 273
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-852-472-2
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 Best Local Similarity 99.6%; Pred. No. 0;
 Matches 272; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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 Db 1 MRGSOEVLMLLVLAVGTEHAYRPGRRVCAVRAHGDVPVSEFVQRYVQPFLLTCDGHR 60
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 Db 61 ACSTYRTIYTYRRSPGLAPARPRYACCPGWKRTSGLPGACGAAICOPPCRNNGSCVQP 120
 QY 121 GRRCPCAGWRGDTCSQSDVDECSARRGCPORCINTAGSYWCQCWEGHLSADGTLVCPKG 180
 Db 121 GRRCPCAGWRGDTCSQSDVDECSARRGCPORCINTAGSYWCQCWEGHLSADGTLVCPKG 180

